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NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
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NEWS 4 Apr 09 ZDB will be removed from STN
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NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
NEWS 33 Dec 02 TIBKAT will be removed from STN
NEWS 34 Dec 04 CSA files on STN
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30 ISMEC no longer available
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
NEWS 43 Feb 13 CANCERLIT is no longer being updated
NEWS 44 Feb 24 METADEX enhancements
NEWS 45 Feb 24 PCTGEN now available on STN

NEWS 46 Feb 24 TEMA now available on STN
NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 48 Feb 26 PCTFULL now contains images
NEWS 49 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
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FILE 'HOME' ENTERED AT 15:41:35 ON 19 MAR 2003

=> file biosis

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'BIOSIS' ENTERED AT 15:41:46 ON 19 MAR 2003

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FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNS) PRESENT

FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 12 March 2003 (20030312/ED)

=> s pluck

61 PLUCK

23 PLUCKS

L1

79 PLUCK

(PLUCK OR PLUCKS)

=> s plucked

L2

352 PLUCKED

=> s plucking

364 PLUCKING

9 PLUCKINGS

L3

370 PLUCKING

(PLUCKING OR PLUCKINGS)

=> s l1 or l2 or l3

L4

732 L1 OR L2 OR L3

=> s cell(W) (surface or membrane) (W) (receptor or antigen)

2228815 CELL
 1659047 CELLS
 2861138 CELL
 (CELL OR CELLS)
 404510 SURFACE
 52326 SURFACES
 434202 SURFACE
 (SURFACE OR SURFACES)
 516322 MEMBRANE
 448708 MEMBRANES
 803116 MEMBRANE
 (MEMBRANE OR MEMBRANES)
 569131 RECEPTOR
 289245 RECEPTORS
 690356 RECEPTOR
 (RECEPTOR OR RECEPTORS)
 285206 ANTIGEN
 125993 ANTIGENS
 357146 ANTIGEN
 (ANTIGEN OR ANTIGENS)
 L5 14145 CELL(W) (SURFACE OR MEMBRANE) (W) (RECEPTOR OR ANTIGEN)

=> s CELL(W) (SURFACE OR MEMBRANE)

2228815 CELL
 1659047 CELLS
 2861138 CELL
 (CELL OR CELLS)
 404510 SURFACE
 52326 SURFACES
 434202 SURFACE
 (SURFACE OR SURFACES)
 516322 MEMBRANE
 448708 MEMBRANES
 803116 MEMBRANE
 (MEMBRANE OR MEMBRANES)

L6 123550 CELL(W) (SURFACE OR MEMBRANE)

=> s 15 or 16

L7 123550 L5 OR L6

=> s 14 and 17

L8 6 L4 AND L7

=> save temp

ENTER L#, L# RANGE, ALL, OR (END):14

ENTER NAME OR (END):pluck/a

ANSWER SET L4 HAS BEEN SAVED AS 'PLUCK/A'

=> save temp

ENTER L#, L# RANGE, ALL, OR (END):17

ENTER NAME OR (END):pluckcell/a

ANSWER SET L7 HAS BEEN SAVED AS 'PLUCKCELL/A'

=>

=> e jakobovits a/au

E1 1 JAKOBOVICOVA EVA/AU
 E2 2 JAKOBOVITIS A/AU
 E3 56 --> JAKOBOVITS A/AU
 E4 13 JAKOBOVITS A A/AU
 E5 1 JAKOBOVITS A J/AU
 E6 16 JAKOBOVITS A W/AU
 E7 12 JAKOBOVITS AKOS/AU
 E8 1 JAKOBOVITS AKOS A/AU

E9	1	JAKOBOVITS AVA/AU
E10	2	JAKOBOVITS AY/AU
E11	35	JAKOBOVITS AYA/AU
E12	2	JAKOBOVITS E/AU

=> s e3-e6 or e11

	56	"JAKOBOVITS A"/AU
	13	"JAKOBOVITS A A"/AU
	1	"JAKOBOVITS A J"/AU
	16	"JAKOBOVITS A W"/AU
	35	"JAKOBOVITS AYA"/AU
L9	118	("JAKOBOVITS A"/AU OR "JAKOBOVITS A A"/AU OR "JAKOBOVITS A J"/AU OR "JAKOBOVITS A W"/AU) OR "JAKOBOVITS AYA"/AU

=> s l4 and l9

L10 2 L4 AND L9

=> e edleman g/au

E1	1	EDLEFSON J/AU
E2	1	EDLEMAN D A/AU
E3	0 -->	EDLEMAN G/AU
E4	6	EDLEMAN M/AU
E5	1	EDLEMAN MARTIN/AU
E6	1	EDLEMAN N L/AU
E7	1	EDLEMAN R/AU
E8	1	EDLEMAN ROBERT R/AU
E9	1	EDLEMAN SIDNEY K/AU
E10	1	EDLEMAN WILLIAM/AU
E11	1	EDLEMIRE D/AU
E12	2	EDLEN B/AU

=> e edelman g/au

E1	1	EDELMAN F S/AU
E2	1	EDELMAN FURSTENBERG Yael/AU
E3	12 -->	EDELMAN G/AU
E4	2	EDELMAN G C/AU
E5	1	EDELMAN G E/AU
E6	1	EDELMAN G H/AU
E7	2	EDELMAN G J/AU
E8	416	EDELMAN G M/AU
E9	1	EDELMAN GAVRIEL/AU
E10	2	EDELMAN GERALD/AU
E11	76	EDELMAN GERALD M/AU
E12	20	EDELMAN GUY/AU

=> s e3 or e8 or e10-e11

	12	"EDELMAN G"/AU
	416	"EDELMAN G M"/AU
	2	"EDELMAN GERALD"/AU
	76	"EDELMAN GERALD M"/AU
L11	506	"EDELMAN G"/AU OR "EDELMAN G M"/AU OR ("EDELMAN GERALD"/AU OR "EDELMAN GERALD M"/AU)

=> s l4 and l11

L12 0 L4 AND L11

=> e rutishauser u/au

E1	24	RUTISHAUSER S C B/AU
E2	1	RUTISHAUSER SUZANNE E/AU
E3	177 -->	RUTISHAUSER U/AU
E4	1	RUTISHAUSER U P/AU
E5	2	RUTISHAUSER U S/AU
E6	43	RUTISHAUSER URS/AU
E7	2	RUTISHAUSER URS S/AU

E8 200 RUTISHAUSER W/AU
 E9 5 RUTISHAUSER W J/AU
 E10 1 RUTISHAUSER WILHEIM/AU
 E11 19 RUTISHAUSER WILHELM/AU
 E12 1 RUTISHAUSER WILHEM/AU

=> s e3-e7

177 "RUTISHAUSER U"/AU
 1 "RUTISHAUSER U P"/AU
 2 "RUTISHAUSER U S"/AU
 43 "RUTISHAUSER URS"/AU
 2 "RUTISHAUSER URS S"/AU
 L13 224 ("RUTISHAUSER U"/AU OR "RUTISHAUSER U P"/AU OR "RUTISHAUSER U
 S"/AU OR "RUTISHAUSER URS"/AU OR "RUTISHAUSER URS S"/AU)

=> s 14 and 113

L14 0 L4 AND L13

=> d his

(FILE 'HOME' ENTERED AT 15:41:35 ON 19 MAR 2003)

FILE 'BIOSIS' ENTERED AT 15:41:46 ON 19 MAR 2003

L1 79 S PLUCK
 L2 352 S PLUCKED
 L3 370 S PLUCKING
 L4 732 S L1 OR L2 OR L3
 L5 14145 S CELL(W) (SURFACE OR MEMBRANE) (W) (RECEPTOR OR ANTIGEN)
 L6 123550 S CELL(W) (SURFACE OR MEMBRANE)
 L7 123550 S L5 OR L6
 L8 6 S L4 AND L7
 SAVE TEMP L4 PLUCK/A
 SAVE TEMP L7 PLUCKCELL/A
 E JAKOBOVITS A/AU
 L9 118 S E3-E6 OR E11
 L10 2 S L4 AND L9
 E EDLEMAN G/AU
 E EDELMAN G/AU
 L11 506 S E3 OR E8 OR E10-E11
 L12 0 S L4 AND L11
 E RUTISHAUSER U/AU
 L13 224 S E3-E7
 L14 0 S L4 AND L13

=> s 18 or 110

L15 6 L8 OR L10

=> d 115 1-6 bib ab

L15 ANSWER 1 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2001:149035 BIOSIS
 DN PREV200100149035
 TI Presence of osteoclast precursors in colonies cloned in the presence of
 hematopoietic colony-stimulating factors.
 AU Yamazaki, Hidetoshi (1); Kunisada, Takahiro; Yamane, Toshiyuki; Hayashi,
 Shin-Ichi
 CS (1) Department of Immunology, School of Life Science, Faculty of Medicine,
 Tottori University, 86 Nishi-machi, Yonago, Tottori, 683-8503:
 imu02@grape.med.tottori-u.ac.jp Japan
 SO Experimental Hematology (Charlottesville), (January, 2001) Vol. 29, No. 1,
 pp. 68-76. print.
 ISSN: 0301-472X.
 DT Article
 LA English

SL English

AB Objective. Osteoclasts are derived from hematopoietic stem cells, but the relationship between osteoclast precursors (OCPs) and hematopoietic colony-forming cells (CFCs) has not yet been clarified. Although osteoclasts share certain **cell surface** markers and growth factor requirements with their macrophage and monocyte cell lineages, osteoclasts are a different lineage with regard to the requirement for signaling via c-Kit. To investigate whether CFCs are able to differentiate into osteoclasts, we performed in vitro studies of osteoclastogenesis. Materials and Methods. We performed progenitor assays in the presence of hematopoietic colony-stimulating factors. Primary colonies were **plucked** and examined for their potential to differentiate into osteoclasts. Results. We found that osteoclasts are present in colonies elicited by macrophage colony-stimulating factor (M-CSF) and receptor activator of nuclear factor κ B ligand (RANKL) in semi-solid cultures. Moreover, a part of the cells composing the colonies elicited by granulocyte-macrophage colony-stimulating factor (GM-CSF) or M-CSF alone possessed the potential to differentiate into osteoclasts. These OCPs in the colonies were enriched in the c-Fms+ large-sized cell fraction and had a foamy cell morphology, like mature macrophages. A small number of cells in M-CSF-promoted and GM-CSF-promoted colonies formed secondary colonies in the semisolid medium containing these factors. The frequency of OCPs in these secondary colonies elicited by M-CSF was 10 times higher than that elicited by GM-CSF. Conclusion. Multiple origins of OCPs that differentiate into mature osteoclasts are proposed based on the observation that osteoclasts could be generated from OCPs that emerged from CFCs induced under different conditions or developmental stages.

L15 ANSWER 2 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2000:420138 BIOSIS

DN PREV200000420138

TI Human stratified squamous epithelia differ in cellular fatty acid composition.

AU Terashi, Hiroto; Izumi, Kenji; Rhodes, Lenore M.; Marcelo, Cynthia L. (1)
CS (1) University of Michigan Medical School, 5659 Kresge I, Ann Arbor, MI, 48109-0592 USA

SO Journal of Dermatological Science, (September, 2000) Vol. 24, No. 1, pp. 14-24. print.
ISSN: 0923-1811.

DT Article

LA English

SL English

AB The phospholipid component of the cellular membrane is crucial to the structure and function of cells. Basal cells from three epithelial tissues, adult human skin epidermis, oral mucosa, and hair follicles, grow rapidly in serum- and lipid-free medium. Analysis of phospholipid extracts from the above three types of stratified squamous epithelium in both in vivo and in vitro was done to relate fatty acid cell composition to cell function. The fatty acid composition of hair follicles in vivo was analyzed in **plucked** scalp hairs, and those of skin epidermis and oral mucosa in vivo were analyzed after separating the tissue into suprabasal and basal layers. The fatty acid composition of the in vivo cells from hair follicles shows a partial essential fatty acid (EFA)-deficient state. There was no significant difference between the skin epidermis and the oral mucosa in the fatty acid composition of the in vivo cells from each basal layer. However, in the suprabasal layers, the percent of linoleic acid (18:2) from the skin epidermis was higher than that from the oral mucosa. This study shows that total fatty acid composition in **cell membranes** of stratified squamous epithelium varies with their keratinization pattern. When cultured, the three types of rapidly growing keratinocytes showed the same essential fatty acid deficient pattern in the membrane phospholipids.

L15 ANSWER 3 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 1990:2019 BIOSIS
DN BA89:2019
TI INTERNAL CELL MANIPULATION USING IR LASER TRAPS.
AU ASHKIN A; DZIEDZIC J M
CS LASER SCI. RES. DEP., AT AND T BELL LAB., HOLMDEL, N.J. 07733-1988.
SO PROC NATL ACAD SCI U S A, (1989) 86 (20), 7914-7918.
CODEN: PNASA6. ISSN: 0027-8424.
FS BA; OLD
LA English
AB The ability of infrared laser traps to apply controlled forces inside of living cells is utilized in a study of the mechanical properties of the cytoplasm of plant cells. It was discovered that infrared traps are capable of **plucking** out long filaments of cytoplasm inside cells. These filaments exhibit the viscoelastic properties of plastic flow, necking, stress relaxation, and set, thus providing a unique way to probe the local rheological properties of essentially unperturbed living cells. A form of internal cell surgery was devised that is capable of making gross changes in location of such relatively large organelles as chloroplasts and nuclei. The utility of this technique for the study of cytoplasmic streaming, internal **cell membranes**, and organelle attachment was demonstrated.

L15 ANSWER 4 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1986:339866 BIOSIS
DN BA82:54070
TI SELECTIVE INHIBITION OF THE GROWTH OF HUMAN ERYTHROID BURST BY MONOCLONAL ANTIBODIES AGAINST TRANSFERRIN OR THE TRANSFERRIN RECEPTOR.
AU SHANNON K M; LARRICK J W; FULCHER S A; BURCK K B; PACELY J; DAVIS J C; RING D B
CS DEP. OF PEDIATRICS, NAVAL HOSP., OAKLAND, CALIF. 94627.
SO BLOOD, (1986) 67 (6), 1631-1638.
CODEN: BLOOAW. ISSN: 0006-4971.
FS BA; OLD
LA English
AB The relative requirements of colonies derived from erythroid (BFU-E) and myeloid (CFU-c) progenitors for transferrin were examined using monoclonal antibodies directed against the transferrin molecule (TF-6) or its **cell surface receptor** (TFR-A12, TFR1-2B). Growth of erythroid bursts was profoundly reduced at concentrations of all three antibodies that had no effect on CFU-c-derived colonies. When TFR1-2B was layered over culture established one to seven days previously, further burst development was inhibited, and degeneration of early erythroid colonies was observed. Addition of erythropoietin augmented transferrin receptor expression on cells harvested after 1 to 2 weeks in culture and analyzed by flow cytometry. Recombinant human erythropoietin gave results comparable to those obtained in experiments using human urinary erythropoietin. Analysis of erythroblasts **plucked** directly from culture plates confirmed the presence of transferrin receptors on BFU-E-derived colonies. Thymidine incorporation was maximal early in the second week of culture and coincided with high transferrin receptor expression. These data demonstrate that transferrin must be available into the second week of culture to support the growth and differentiation of BFU-E-derived erythroid bursts, that the generation of erythroid colonies from BFU-E is more dependent on transferrin than myeloid colony formation from CFU-c, and that erythropoietin modulates the expression of transferrin receptors on growing bursts.

L15 ANSWER 5 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1982:61494 BIOSIS
DN BR22:61494
TI RECEPTOR ISOLATION WITHOUT THE USE OF DETERGENTS BY **PLUCKING** FROM **CELL SURFACES**.
AU JAKOBOVITS A; ESHDAT Y; SHARON N
CS THE WEIZMANN INSTITUTE OF SCI., REHOVOT.

ILL
order
on 3/14/03

SO ANNUAL MEETING OF THE ISRAEL BIOCHEMICAL SOCIETY, JERUSALEM, ISRAEL, APRIL
12-13, 1981. ISR J MED SCI. (1981) 17 (6), 468.
CODEN: IJMDAY. ISSN: 0021-2180.

DT Conference
FS BR; OLD
LA English

L15 ANSWER 6 OF 6 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 1981:293507 BIOSIS

DN BA72:78491

TI **PLUCKING** OF LECTIN RECEPTORS FROM ERYTHROCYTES ISOLATION OF
CELL SURFACE COMPONENTS WITHOUT THE USE OF DETERGENTS.

AU **JAKOBOVITS A**; ESHDAT Y; SHARON N

CS DEP. BIOPHYS., WEIZMANN INST. SCI., REHOVOTH, ISR.

SO BIOCHEM BIOPHYS RES COMMUN, (1981) 100 (4), 1484-1490.

CODEN: BBRCA9. ISSN: 0006-291X.

FS BA; OLD

LA English

AB A new approach is described for the isolation of lectin receptors without
the use of detergents, by plucking them from the cell
surface. Cells bound to lectin-coated Sepharose beads are sheared
~~off the beads~~ by mechanical disruption. The receptors remain attached to
the beads and are released specifically by inhibitory sugars. Material
plucked from neuraminidase-treated human erythrocytes by beads
coated with peanut agglutinin and released by D-galactose was identified
as asialoglycophorin. The same membrane glycoprotein was **plucked**
from neuraminidase-treated erythrocytes by beads coated with soybean
agglutinin, but at considerably lower yield.

TLC on 3/19/03

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

30.93

31.14

STN INTERNATIONAL LOGOFF AT 15:55:26 ON 19 MAR 2003

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NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 48 Feb 26 PCTFULL now contains images
NEWS 49 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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FILE 'HOME' ENTERED AT 16:11:46 ON 19 MAR 2003

=> file biosis

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'BIOSIS' ENTERED AT 16:12:00 ON 19 MAR 2003

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CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNS) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 12 March 2003 (20030312/ED)

=> activate pluck/a

L1	(	79)	SEA	FILE=BIOSIS	ABB=ON	PLU=ON	PLUCK
L2	(	352)	SEA	FILE=BIOSIS	ABB=ON	PLU=ON	PLUCKED
L3	(	370)	SEA	FILE=BIOSIS	ABB=ON	PLU=ON	PLUCKING
L4		732	SEA	FILE=BIOSIS	ABB=ON	PLU=ON	L1 OR L2 OR L3

=> e sharon n/au

E1	2	SHARON	MICHAL/AU
E2	1	SHARON	MICHALAK/AU
E3	307	-->	SHARON N/AU
E4	44	SHARON	NATHAN/AU
E5	1	SHARON	NECHAM/AU
E6	1	SHARON	NECHAMA/AU
E7	3	SHARON	NEHAMA/AU
E8	1	SHARON	NELSON/AU
E9	4	SHARON	O/AU
E10	1	SHARON	ORIT/AU
E11	1	SHARON	ORLY/AU
E12	46	SHARON	P/AU

=> s e3-e4

307 "SHARON N"/AU
44 "SHARON NATHAN"/AU
L5 351 ("SHARON N"/AU OR "SHARON NATHAN"/AU)

=> s 14 and 15

L6 2 L4 AND L5

=> e eshdat y/au

E1 1 ESHCOLI Z/AU
E2 1 ESHDAT LIOR/AU
E3 38 --> ESHDAT Y/AU
E4 16 ESHDAT YUVAL/AU
E5 1 ESHDAVLATOV B M/AU
E6 1 ESHED C/AU
E7 5 ESHED ENGLENDER TALMA/AU
E8 3 ESHED H/AU
E9 1 ESHED IRIS/AU
E10 1 ESHED M/AU
E11 1 ESHED MAYA/AU
E12 17 ESHED N/AU

=> s e3-e4

38 "ESHDAT Y"/AU
16 "ESHDAT YUVAL"/AU
L7 54 ("ESHDAT Y"/AU OR "ESHDAT YUVAL"/AU)

=> s 14 and 17

L8 2 L4 AND L7

=> log y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY
2.52

TOTAL
SESSION
2.73

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 16:13:37 ON 19 MAR 2003